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FIG. 1

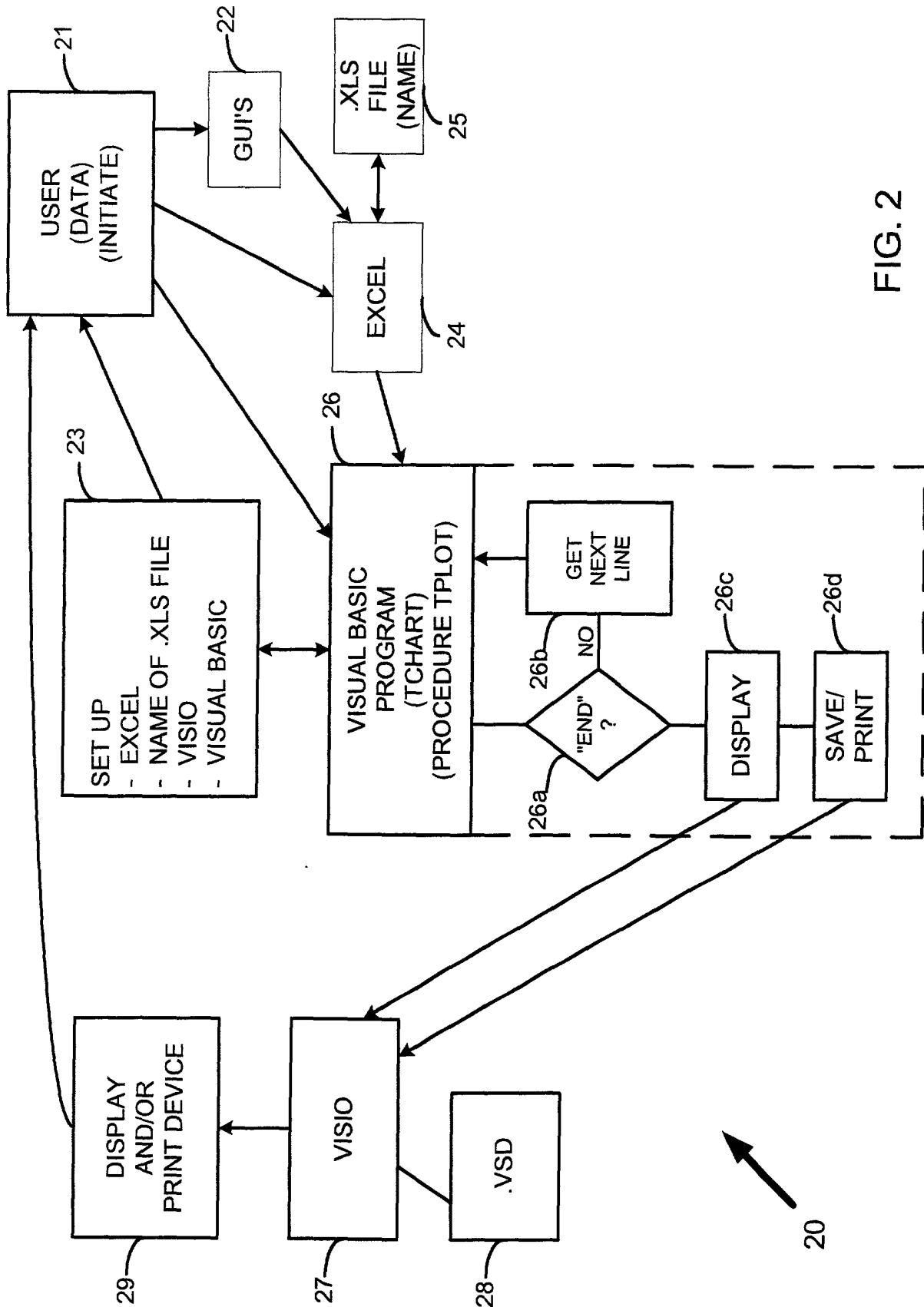
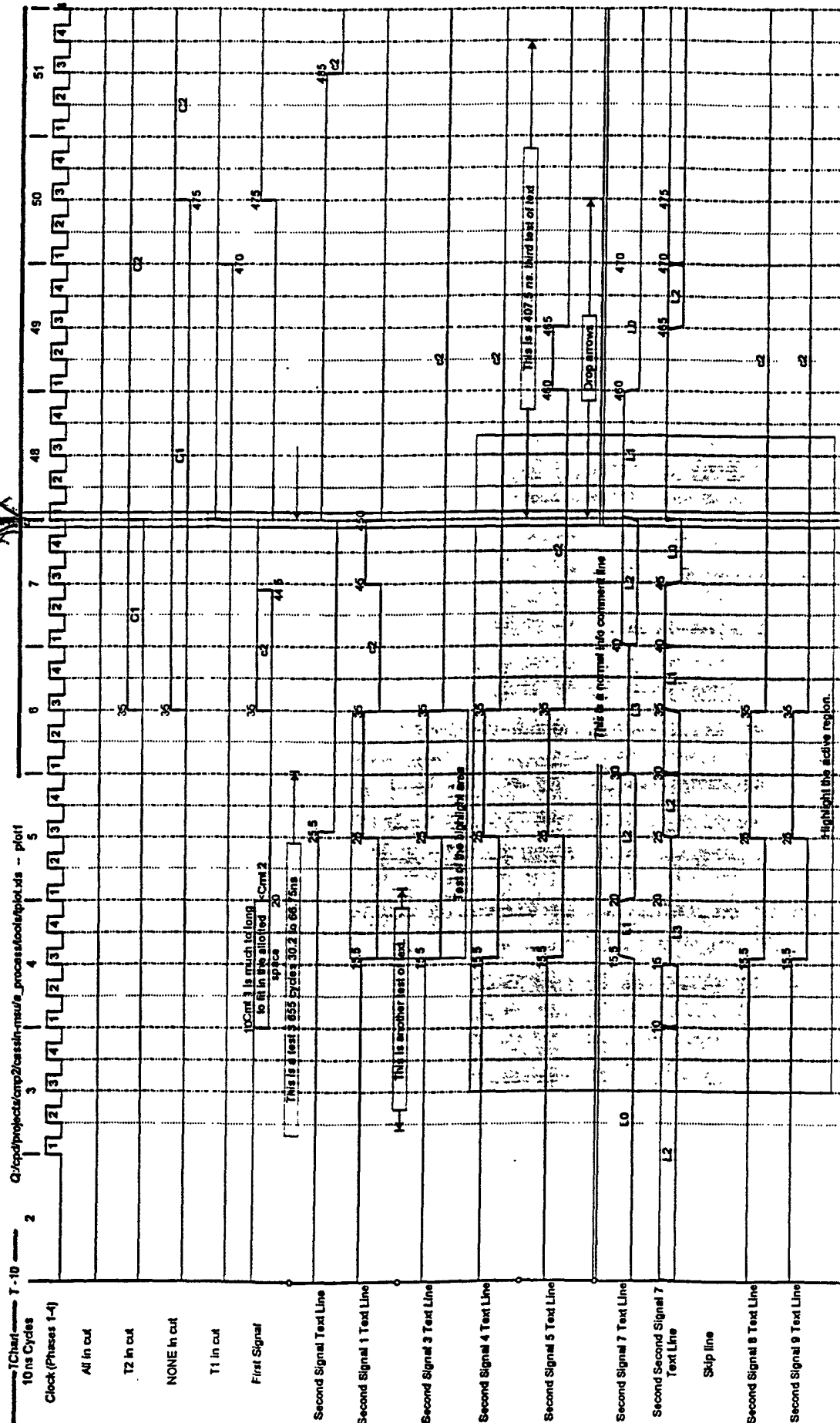


FIG. 2



TChart Illustration

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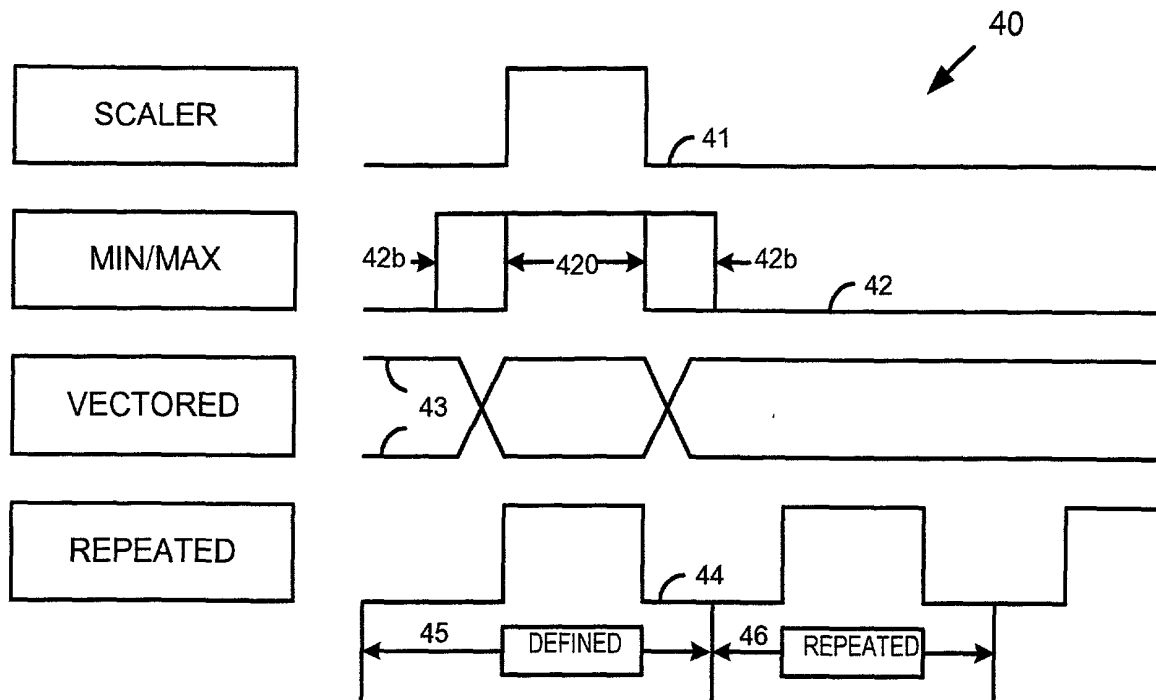


FIG. 4a

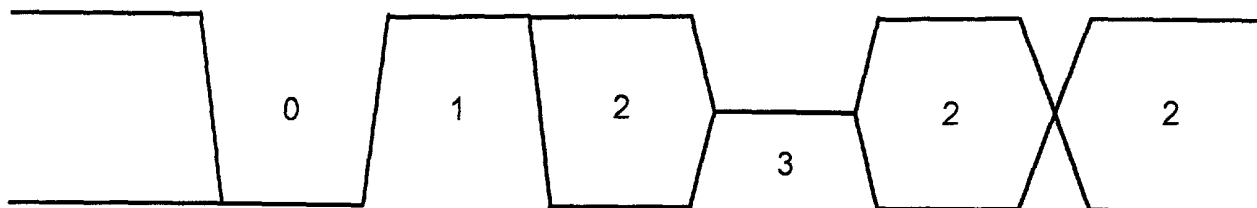


FIG. 4b

Fig. 4a	Fig. 4b
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Create a new TChart definition

Card Options

☐ Plot Borders

Page Size: ☒ A ☐ B ☐ C ☐ D ☐ E

☒ Landscape

☒ Display Times

☒ Display Bottom Time

☒ Alternate Text

Plot Color: ☒ Black ☐ Red ☐ Green ☐ Blue
☐ Violet ☐ Cyan

TimeChart

Version 1.0 -- Jan 24, 2001 -- E. A. Rodi

Header

Drawing title: TimeChart

Base time for plot 10: 0

Cycles

Number of cycles to plot: 40

Time period of each cycle: 10

Number of first cycle (1-5): 0

Optional Inputs

Title: CYCLE

Time where timeline is broken:

Time where timeline resumes:

Time Markers

☐ Repeat markings

Number of repeated cycles:

Time period of repeat cycle:

Time-M1 Time-M2 Time-M3 Time-M4 Time-M5 Time-M6 Time-M7 Time-M8

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

- NewTimeChart GUI

Fig. 5

Add Clocks

Pre-clock options: ☒ Time ☐ Bottom ☒ Alt

Plot Color: ☒ Black ☐ Red ☐ Green ☐ Blue ☐ Violet ☐ Cyan

Define clocks using Phase commands

Title	Initial Level	Phase Offset	Phase Width	Cycle Time

Define clocks using Repeat command (Optional)

Title	Initial Level	Cycle Time	Num Rpts

Transition / Delay

From	To	Delay	Comment

Post-clock options: ☒ Time ☒ Bottom ☒ Alt

Plot Color: ☒ Black ☐ Red ☐ Green ☐ Blue ☐ Violet ☐ Cyan

- AddClocks GUI

FIG. 1 707

Add New Signals

Options

Plot Color: ☐ Black ☐ Red ☐ Green ☐ Blue
☐ Grey ☐ Violet ☐ Cyan

☒ Time ☒ Bottom ☒ Alt Add Option

Signal Templates

Plots: ☒ Scaler ☐ Min/Max ☐ Vector ☐ Repeat ☐ Dotted ☐ Glitch

Title	Initial Level	Cycle Time of Repeat	Number of Repeats	Number of Transitions	Glitch Type
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Add Signal

Infos

☒ Comment ☐ Arrows ☐ Begin Arrow ☐ End Arrow ☐ Open Box ☐ Close Box

Object Number	Time T1	Time T2	Text
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Add Info

Add End Add Marker At time Exit

-- AddNewSignals GUI

options +1	AB								
H	Test Timing Plot Data	10	-10						
Cycles			10	2	10 ns	50	450		
options -T									
Rpt	Clock (Phases 1-4)		0	10	0				
T		0							
T	1.25				1				
T	2.5				2				
T	3.75				3				
T	5				4				
T	6.25								
T	7.5								
T	8.75								
Options +T									
Mark									
Label	All in cut				10	12.5	15	17.5	20
T	65 C1		0						
T	85 CC11				75	C2			
Label	T2 in cut				95	CC22			
T	35 C1		0						
Label	NONE in cut				75	C2			
T	35 C1								
Label	T1 in cut				475	C2			
T	65 C1		0						
T	85				75	C2			
T	111				95				
Label	First Signal				470				
T	10 Cmt 1 too long to fit this space		1						
T	35 C2				20	<'<Cmt 2'			
Glitch	55 txt				44.5				
T	66.6 last				-				

Fig. 8A

Fig. 8.15

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[illegible]

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